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(54) Title: ELECTROCHEMICAL CELL

(57) Abstract: An electrochemical cell comprising a cathode, an anode and an electrolyte is provided, wherein: the cathode comprises mesoporous nickel having a periodic arrangement of substantially uniformly sized pores of cross-section of the order of 10^{-8} to 10^{-9} m; and the anode comprises a mesoporous material having a periodic arrangement of substantially uniformly sized pores of cross-section of the order of 10^{-6} to 10^{-9} m and selected from: carbon, cadmium, iron, a palladium/nickel alloy, an iron/titanium alloy, palladium or a mixed metal hydride.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	H01M4/80	H01M4/66	H01M4/04	H01M4/32	H01M4/48
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and where practical search terms used)

EPO-Internal, INSPEC, COMPENDEX, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication where appropriate of the relevant passages	Relevant to claim No.
A	EP 1 115 130 A (KANEBO LTD) 11 July 2001 (2001-07-11) paragraphs '0042!, '0043!; claims 1,13,14; figure 8; examples 1,5,6	1-11
A	NELSON P A ET AL: "MESOPOROUS NICKEL/NICKEL OXIDE ELECTRODES FOR HIGH POWER APPLICATIONS" JOURNAL OF NEW MATERIALS FOR ELECTROCHEMICAL SYSTEMS, ECOLE POLYTECHNIQUE DE MONTREAL, MONTREAL, CA, vol. 5, no. 1, January 2002 (2002-01), pages 63-65, XP001046009 ISSN: 1480-2422 cited in the application the whole document	1-11 -/-

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Patent family members are listed in annex

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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